

FIG. 1

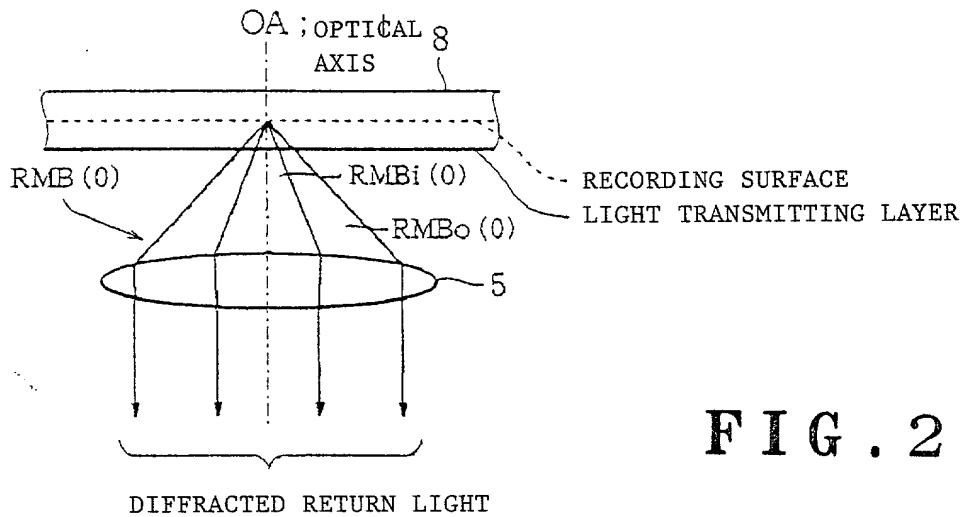


FIG. 2

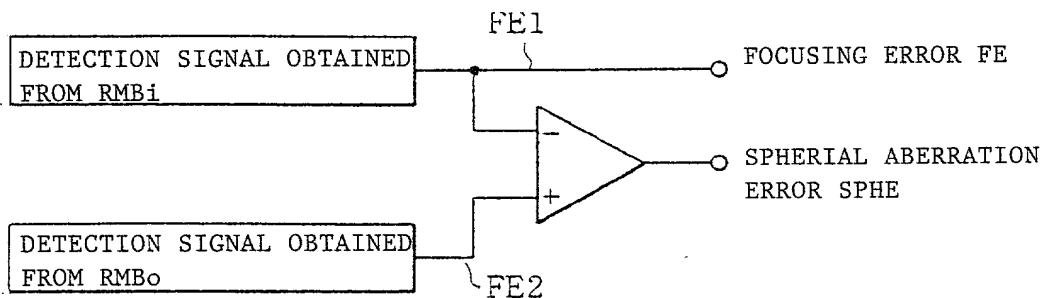
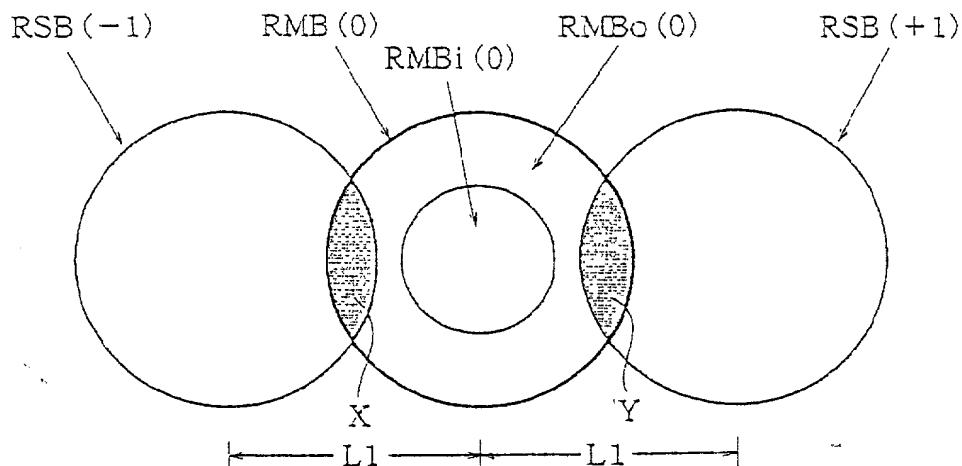
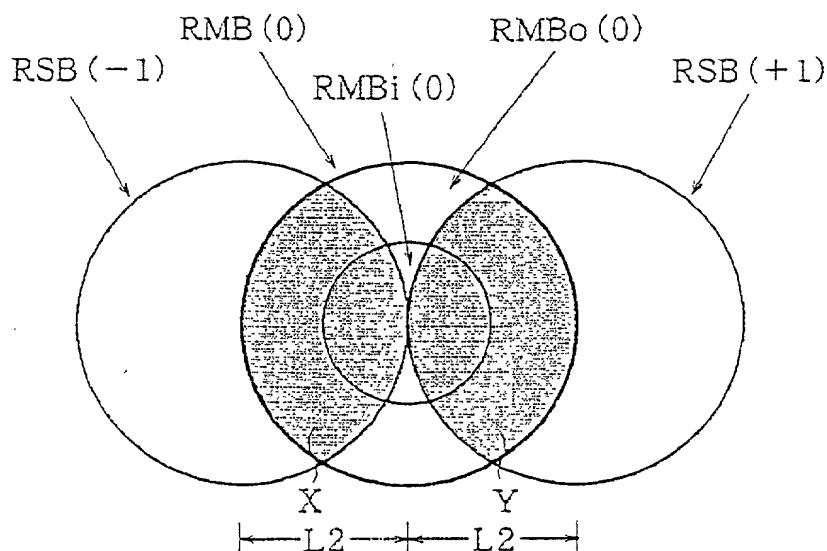


FIG. 3

FIG. 4

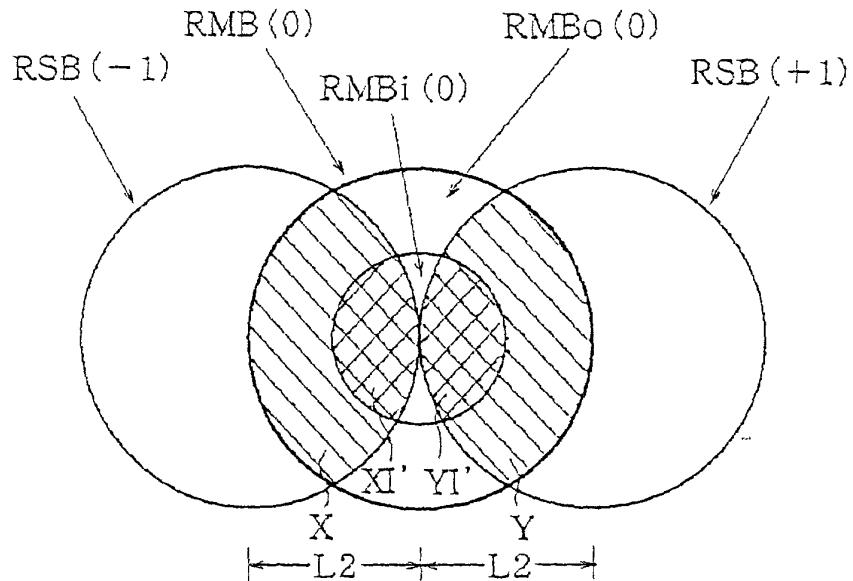


POSITIONAL RELATION BETWEEN THE 0-TH ORDER LIGHT AND THE
+1 PRIMARY DIFFRACTED LIGHT WHEN THE NUMERICAL
APERTURE NA IS SMALL IN THE IN-FOCUS STATE OR
WHEN THE TRACK PITCH TP IS SMALL IN THE IN-FOCUS STATE.
RMB(0):0-TH ORDER LIGHT, RMBi(0):INNER RADIUS LIGHT,
RMBo(0):OUTER RADIUS LIGHT, RSB(-1):-1 PRIMARY DIFFRACTED LIGHT,
RSB(+1):+1 PRIMARY DIFFRACTED LIGHT



POSITIONAL RELATION BETWEEN THE 0-TH ORDER LIGHT AND THE
+1 PRIMARY DIFFRACTED LIGHT IN A CASE WHERE THE NUMERICAL
APERTURE NA IS LARGE IN THE IN-FOCUS STATE OR IN A CASE
WHERE THE TRACK PITCH TP IS LARGE IN THE IN-FOCUS STATE.

FIG. 5



POSITIONAL RELATION BETWEEN THE 0-TH ORDER LIGHT AND THE
 +1 PRIMARY DIFFRACTED LIGHT WHEN THE NUMERICAL
 APERTURE NA IS LARGE AND IN THE DEFOCUSING STATE, OR
 WHEN THE TRACK PITCH TP IS LARGE AND IN THE DEFOCUSING
 STATE .

FIG. 6

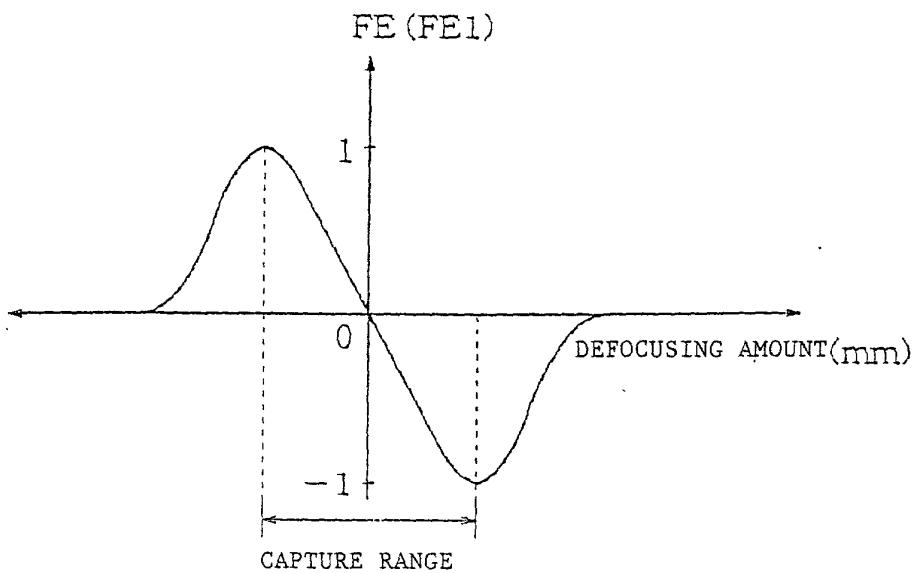


FIG. 7

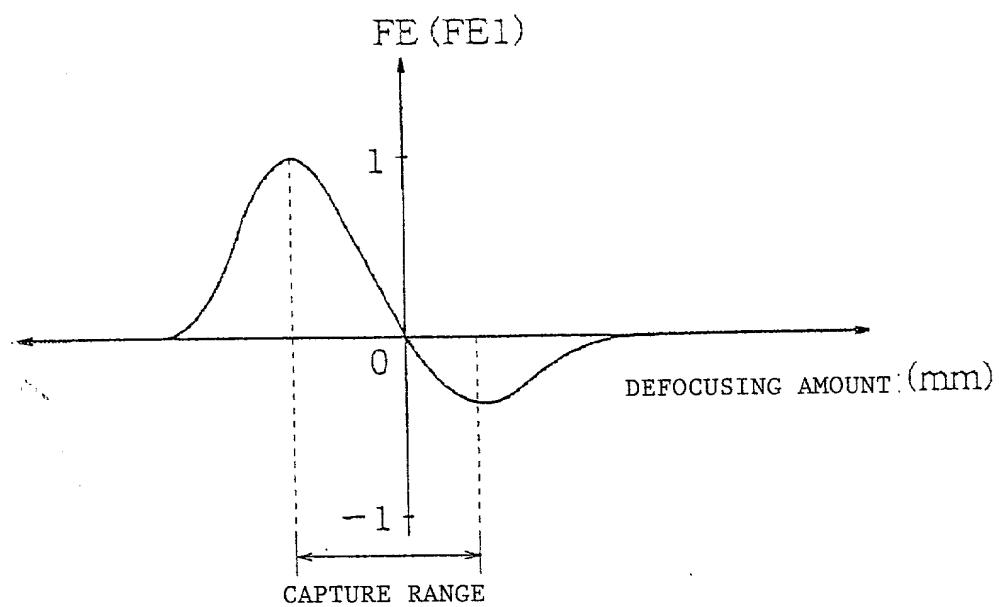
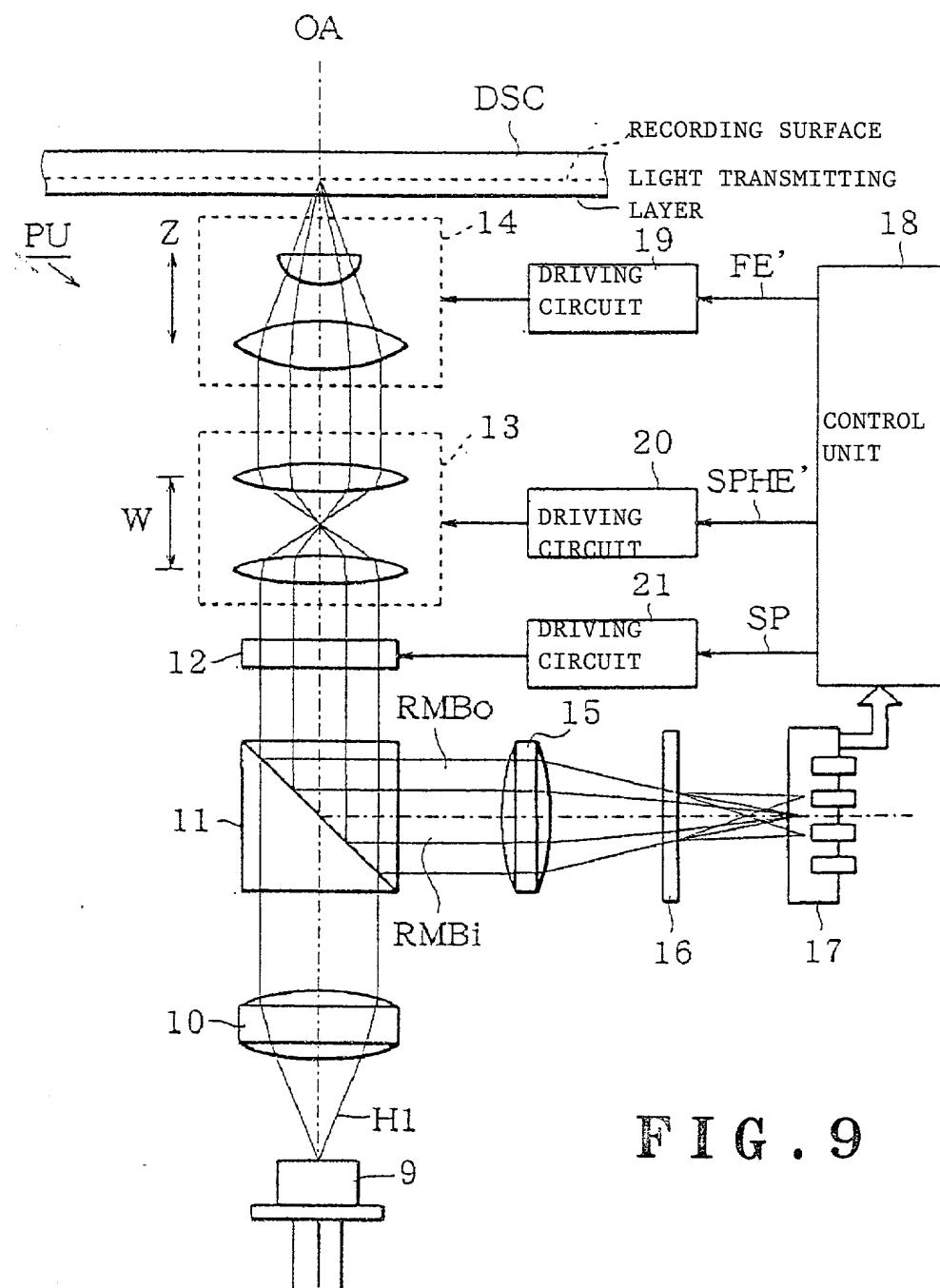


FIG. 8



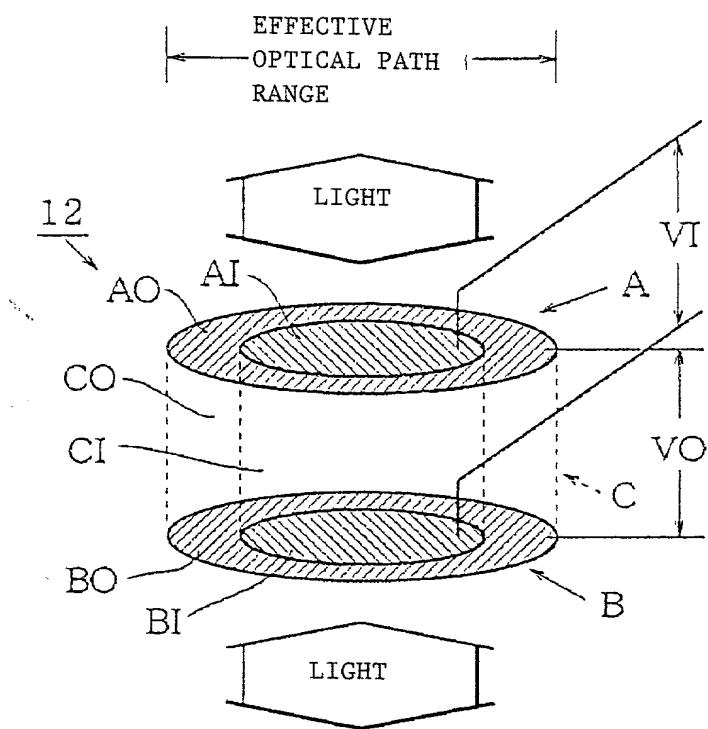


FIG. 10

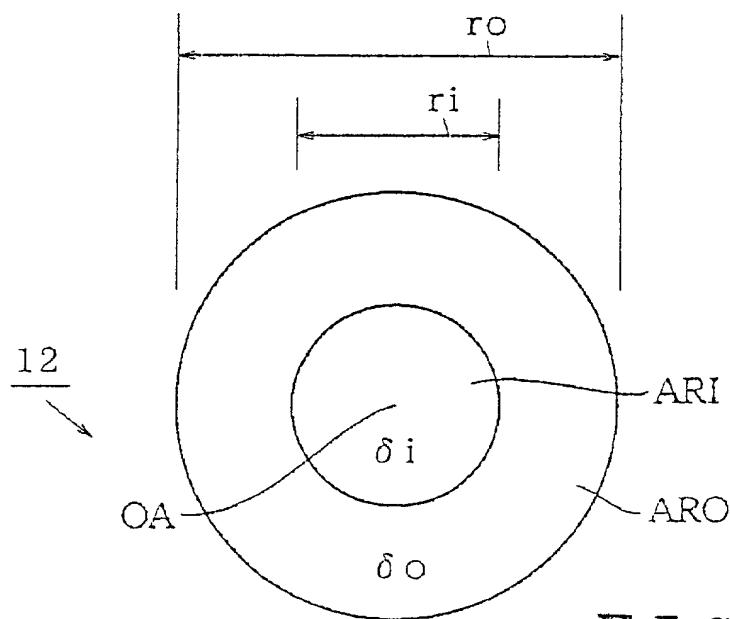


FIG. 11

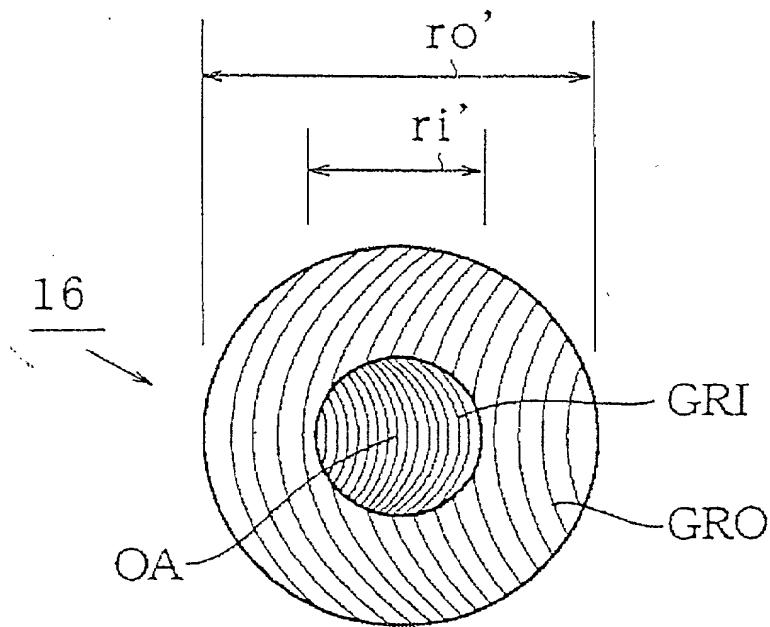


FIG. 12

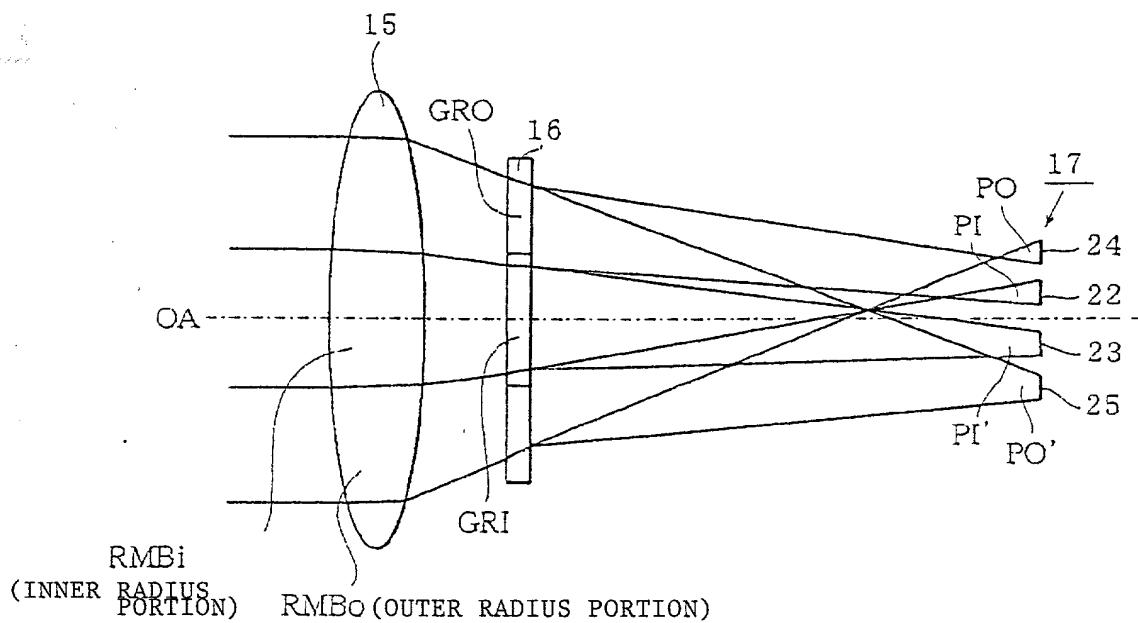


FIG. 13

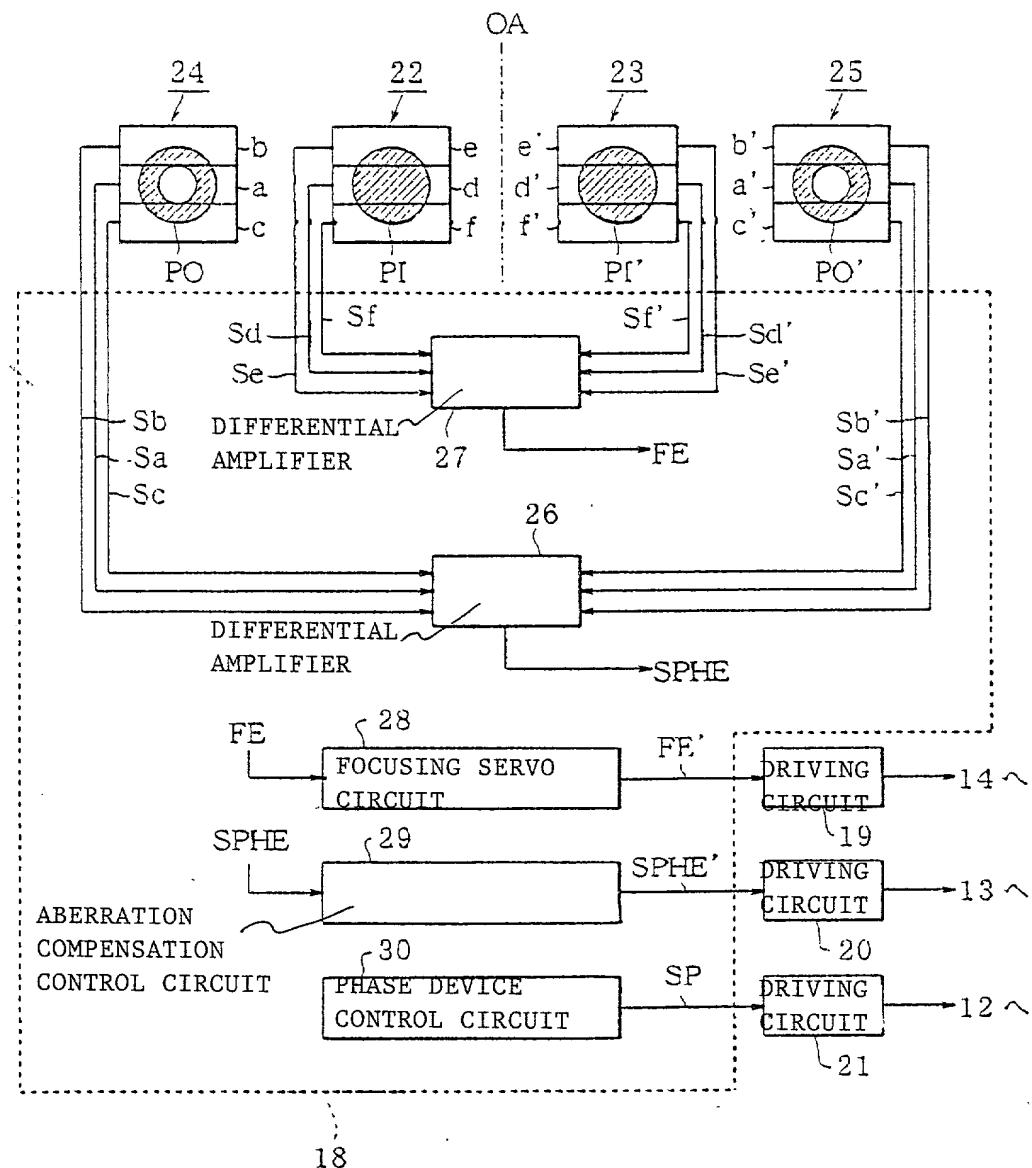
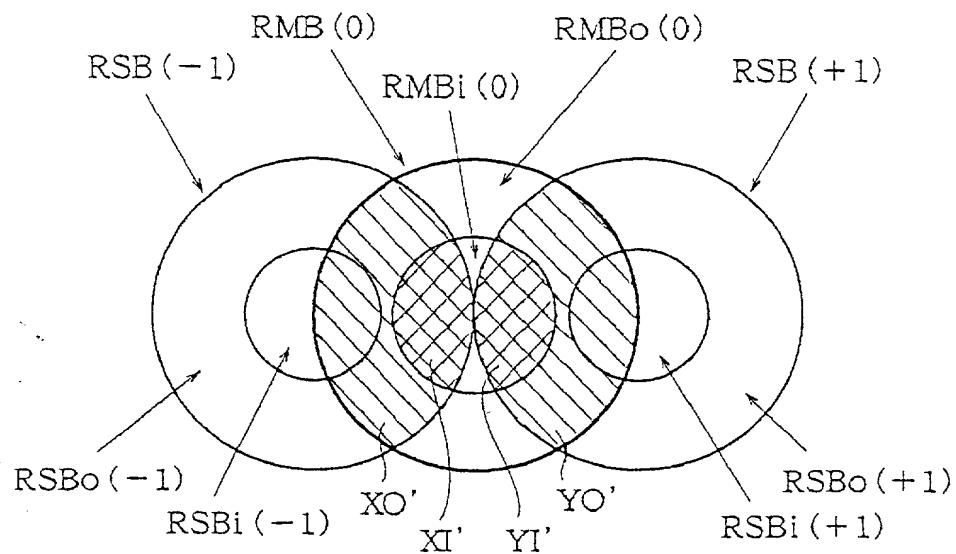


FIG. 14



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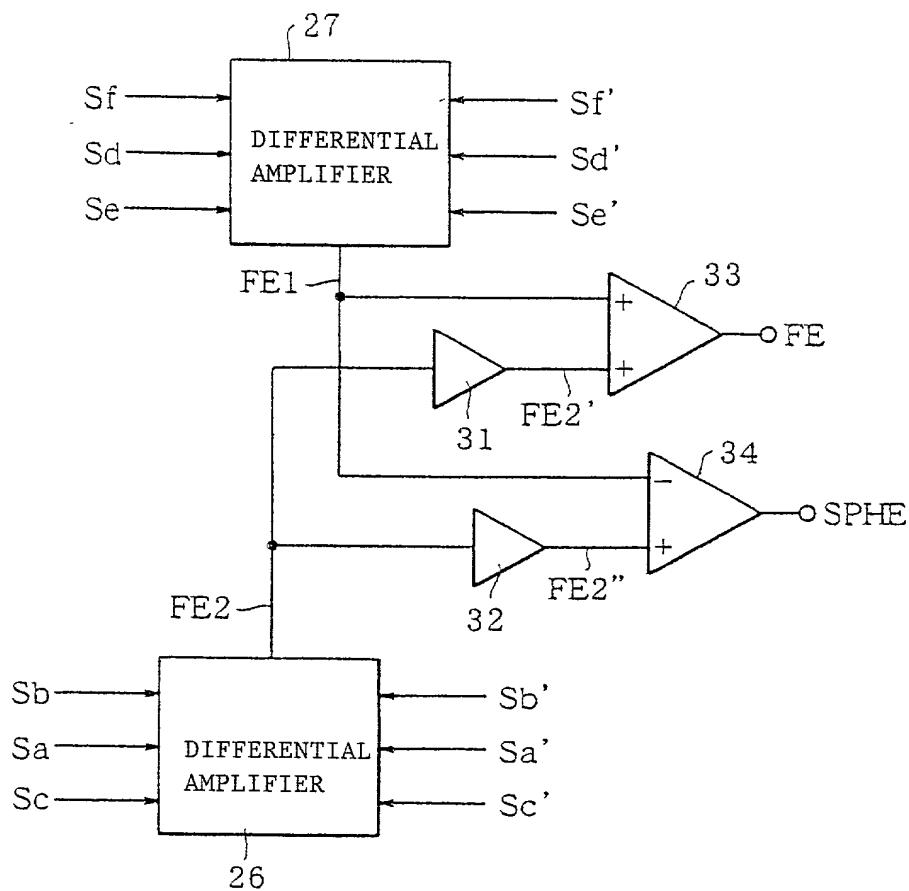


FIG. 16

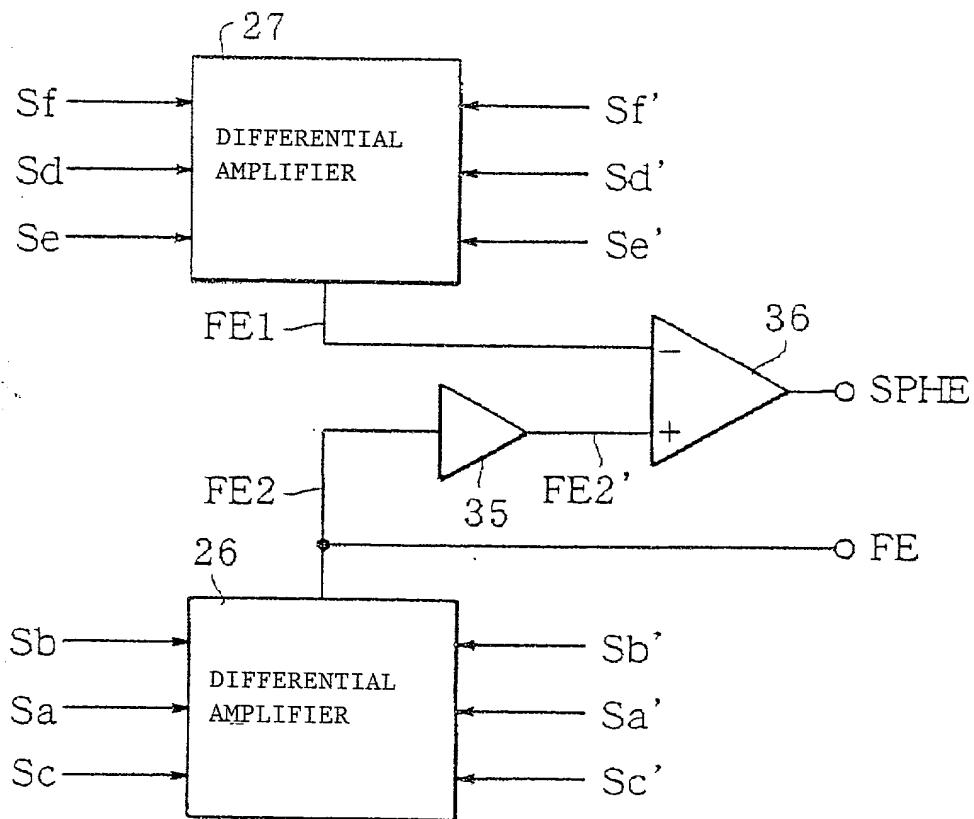
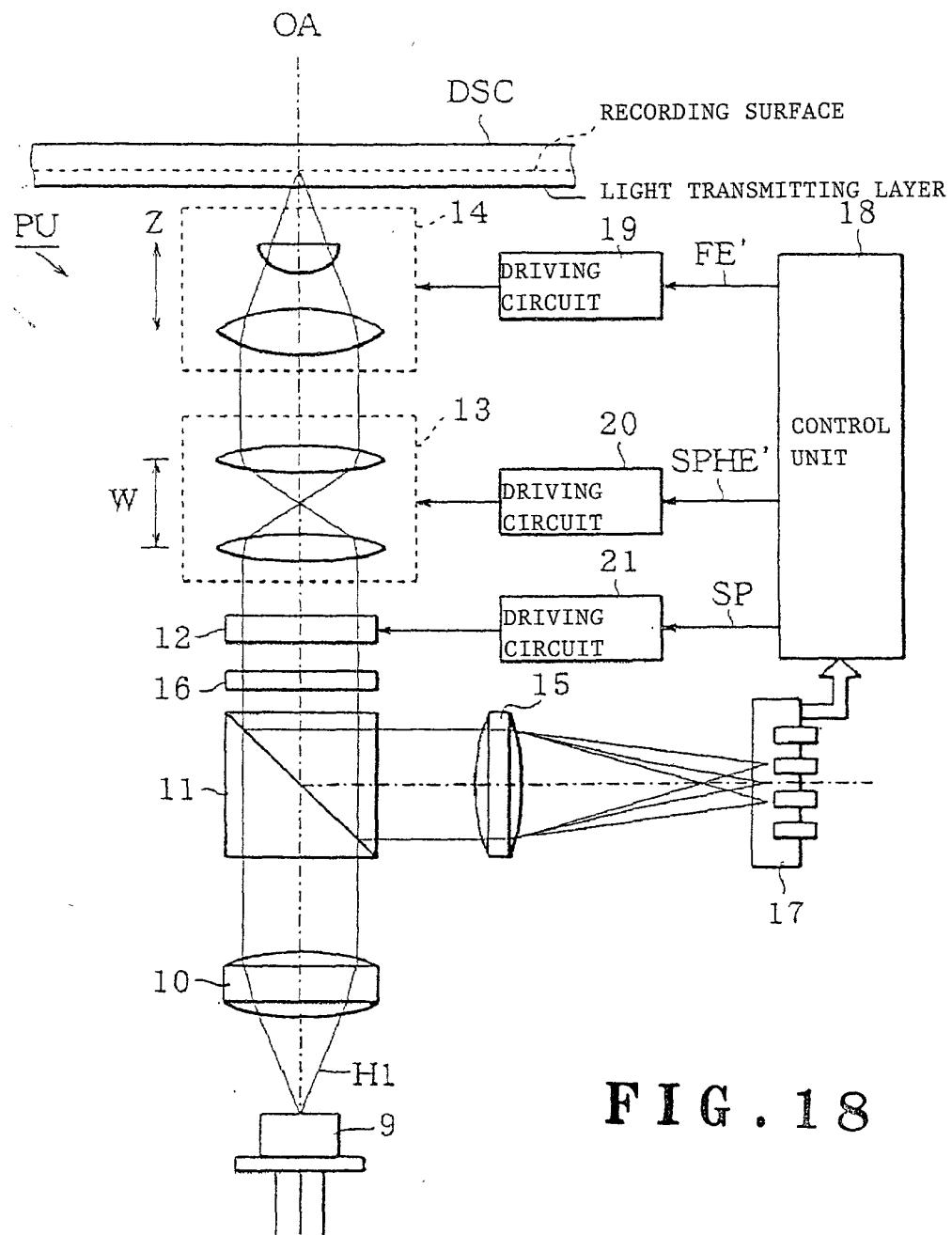


FIG. 17



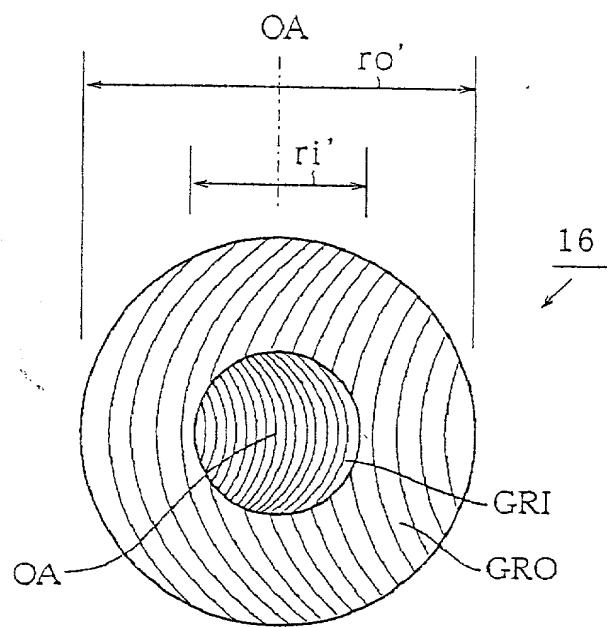


FIG . 19

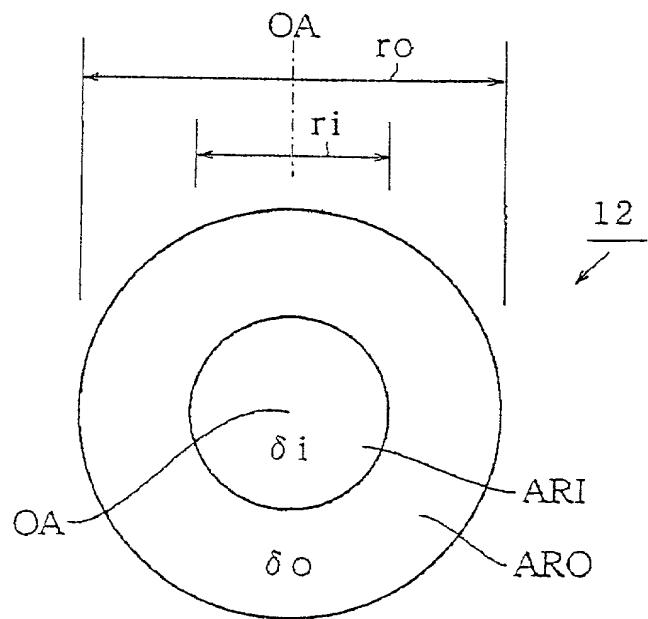


FIG . 20